

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 6, line 1 with the following replacement paragraph:

Blood pump 6 is a conventional roller pump, which with each rotation generates two pressure pulses which are propagated via blood feed line 5, blood chamber 3 and blood discharge line 7 in extracorporeal blood circuit I. The pressure waves are generated whenever the rotor of roller pump 6 occupies a certain position. In order to monitor the position of the pump rotor, roller pump 6 has a Hall sensor 33. Dialysing fluid system II of the haemodialysis machine comprises a device 12 for preparing the dialysing fluid, which is connected by a first section 13 of a dialysing fluid feed line to the inlet of first chamber half 14a of a balancing device 15. Second section 16 of the dialysing fluid feed line connects the outlet of first balancing chamber half 14a to the inlet of dialysing fluid chamber 4. The outlet of dialysing fluid chamber 4 is connected via first section 17a of a dialysing fluid discharge line to the inlet of second balancing chamber half 14b. A dialysing fluid pump 18 is incorporated into first section 17a of the dialysing fluid discharge line. The outlet of second balancing chamber half 14b is connected via second section 17b of the dialysing fluid discharge line to a discharge 19. An ultra-filtrate line 20 [[ab]], which also leads to discharge 19, branches off from dialysing fluid discharge line 17a upstream of dialysing fluid pump 18. An ultrafiltration pump 21 is incorporated into ultra-filtrate line 20.